

FIG 1 PRIOR ART

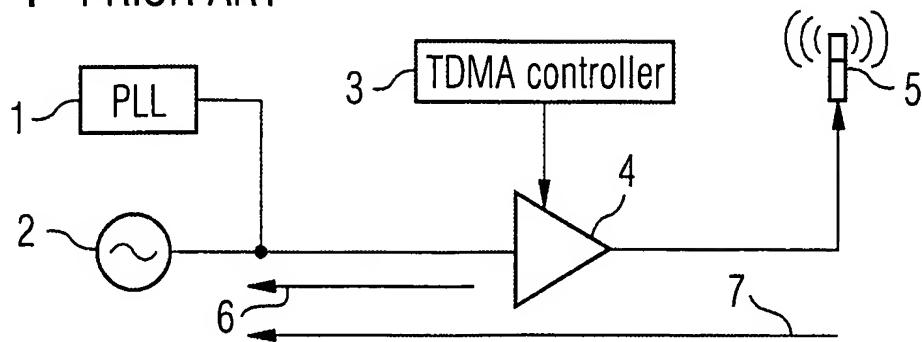


FIG 2 PRIOR ART

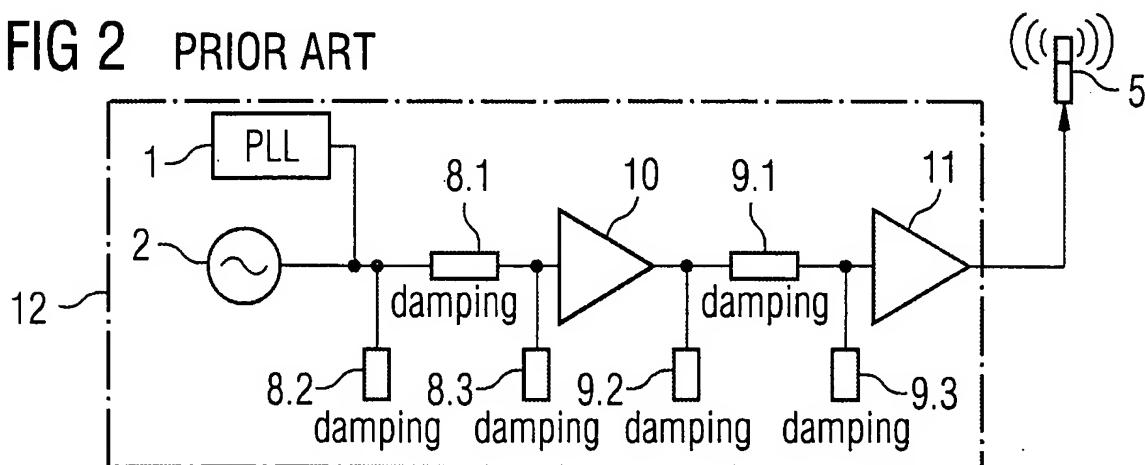


FIG 3 PRIOR ART

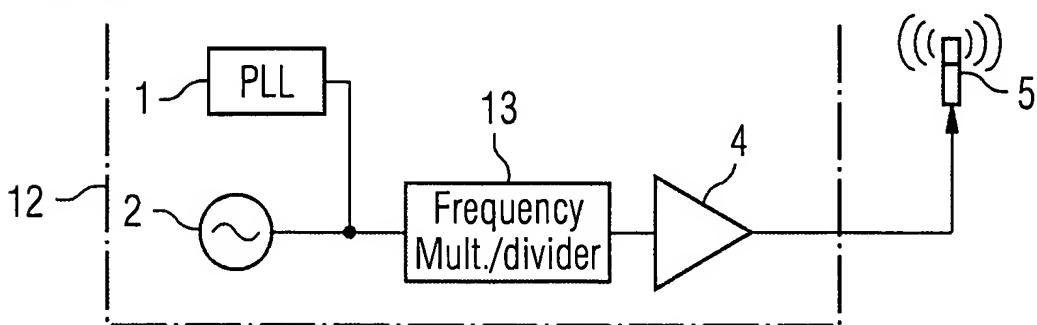
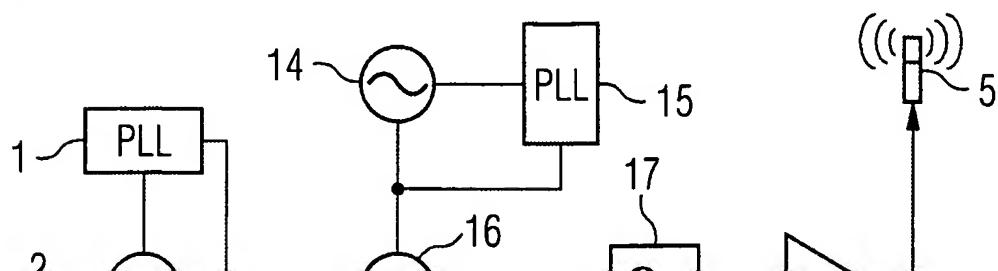


FIG 4 PRIOR ART





JUN 21 2004

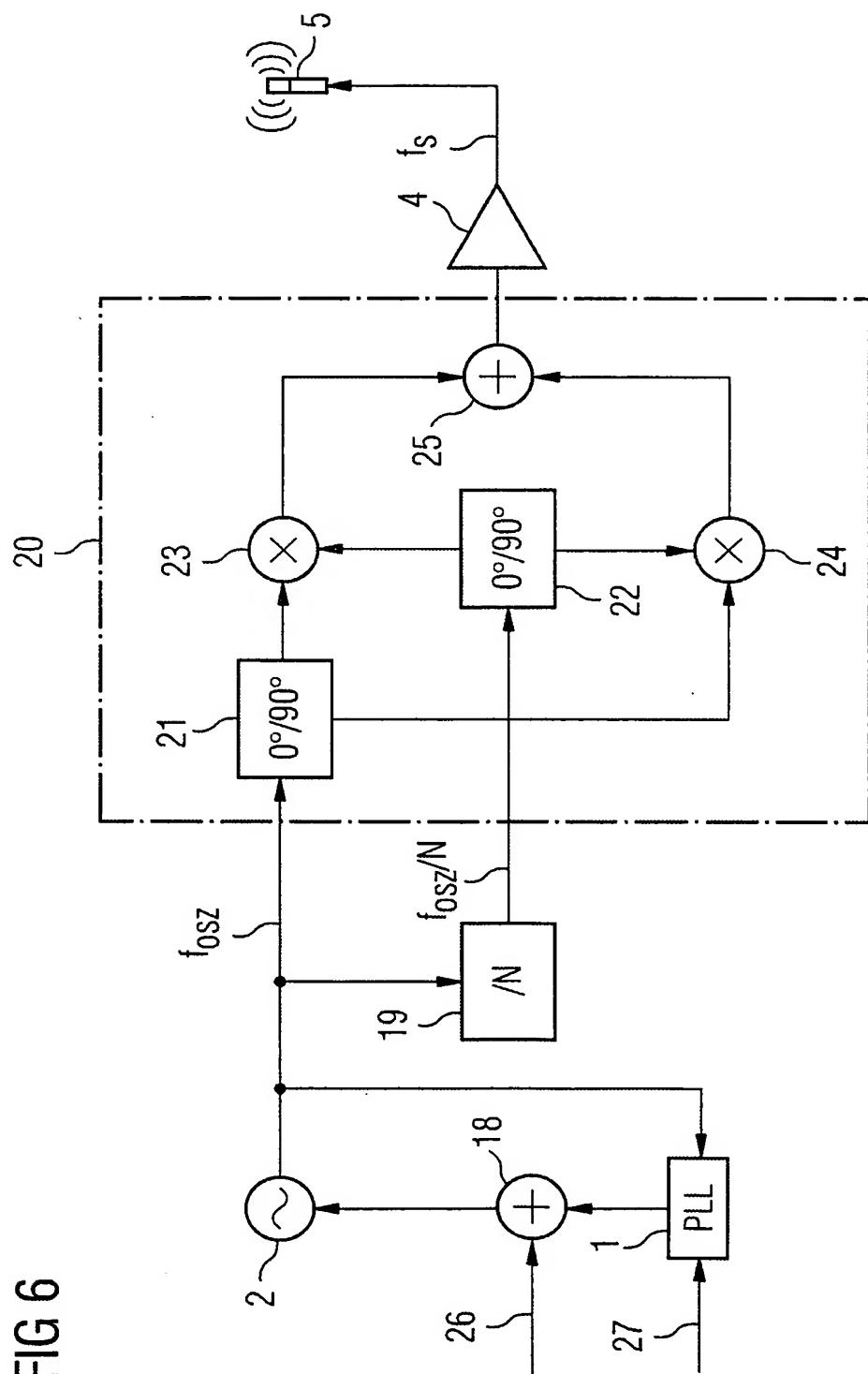
19902120

TITLE: TDMA TRANSMIT FREQUENCY
GENERATOR SUPPRESSING
FREQUENCY JUMPS CAUSED BY
FEEDBACK (as amended)
INVENTORS: Volker DETERING et al.
SERIAL NO.: 10/018,796
DOCKET NO.: 1454.1202

2/10

199902120

3/10



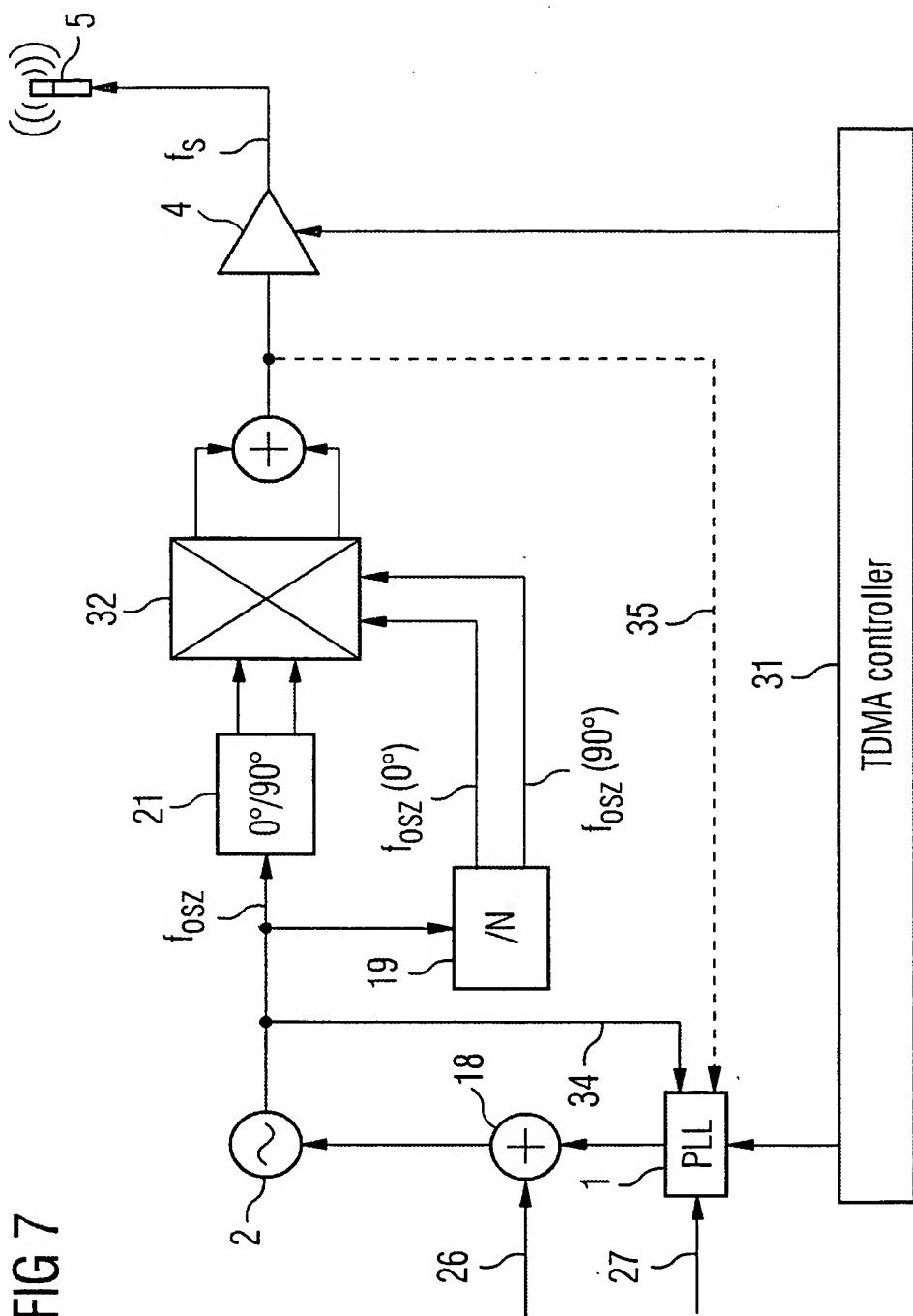


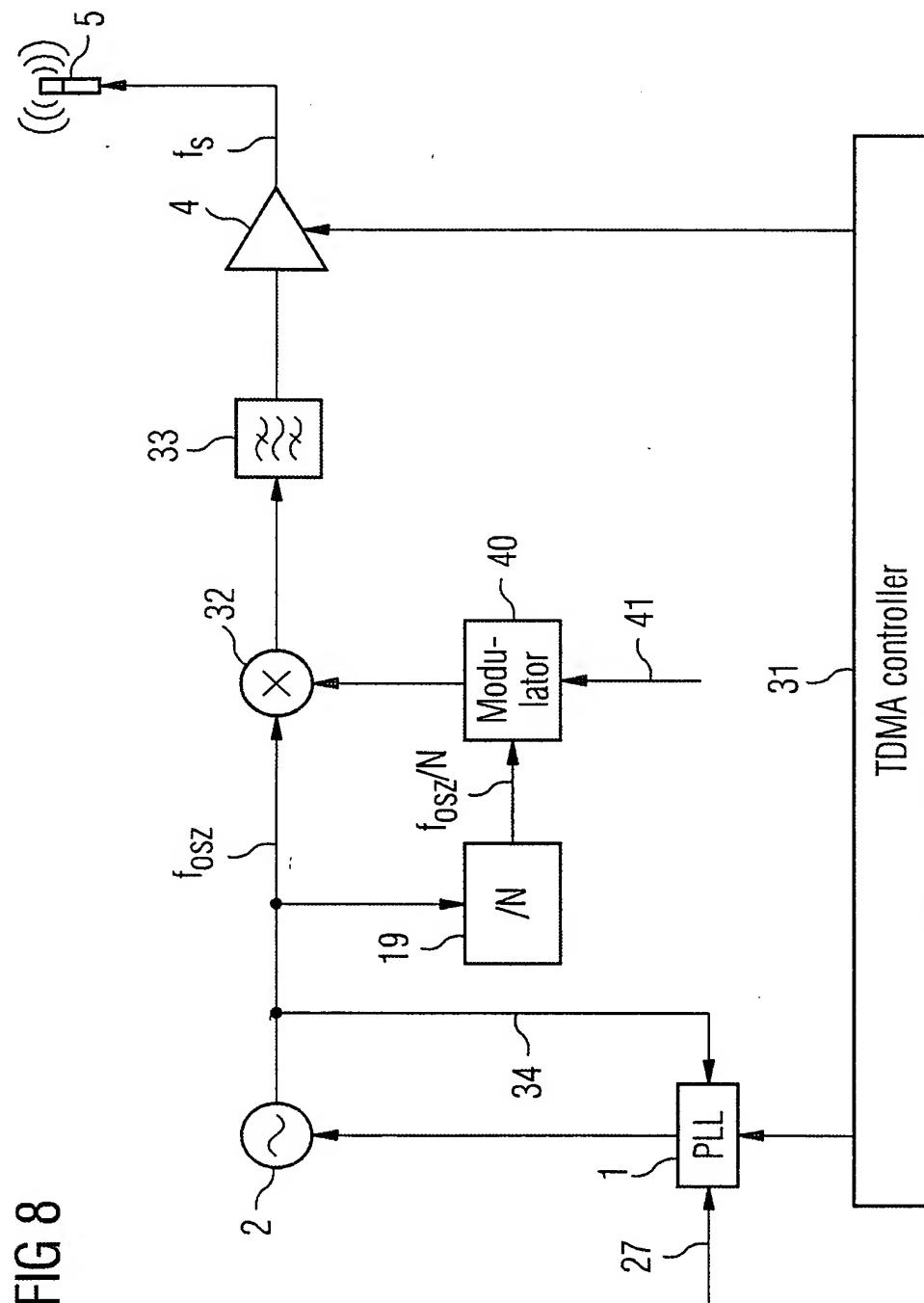
199902120

4/10

TITLE: TDMA TRANSMIT FREQUENCY
GENERATOR SUPPRESSING
FREQUENCY JUMPS CAUSED BY
FEEDBACK (as amended)
INVENTORS: Volker DETERING et al.
SERIAL NO.: 10/018,796
DOCKET NO.: 1454.1202

FIG 7



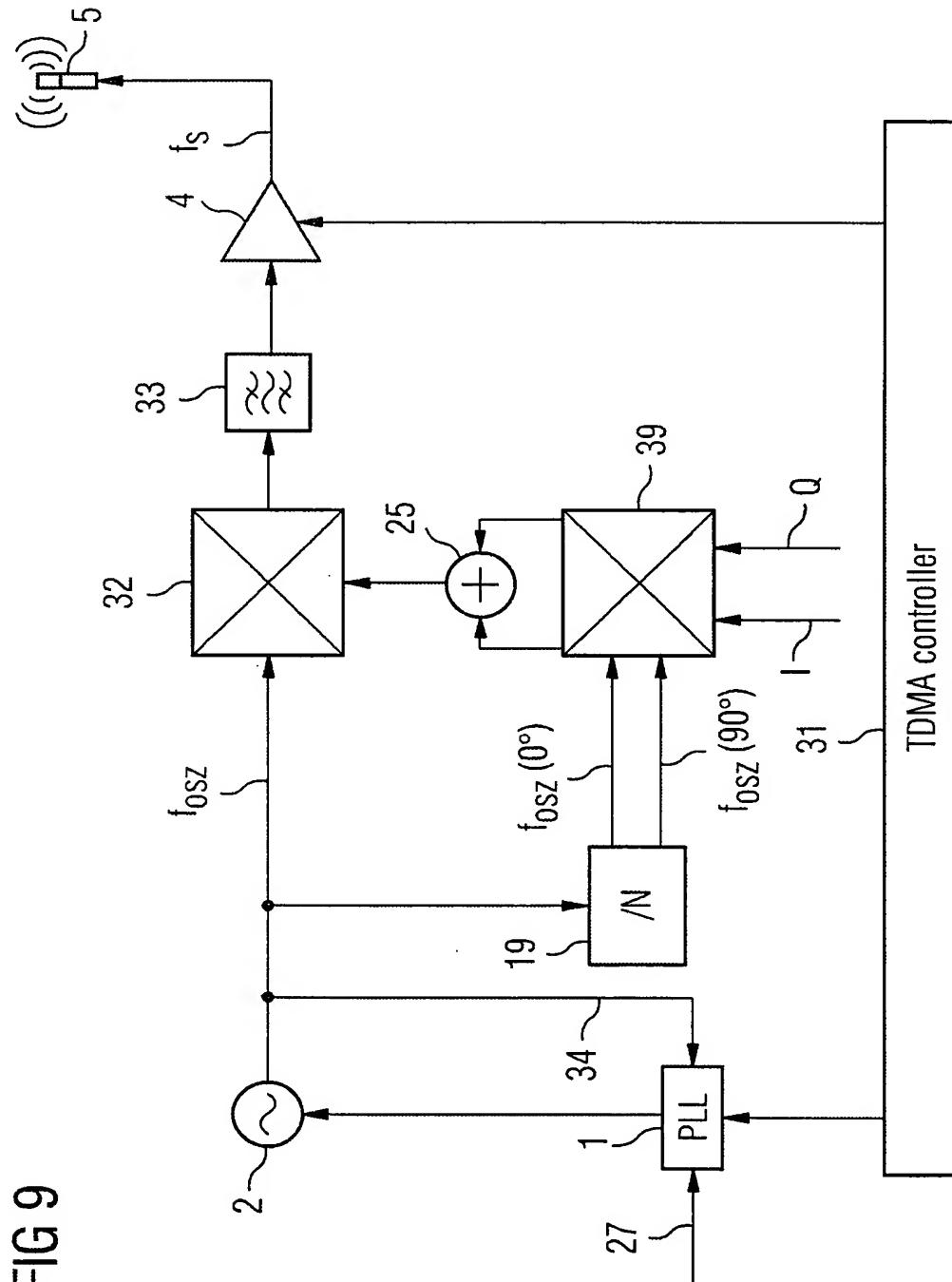


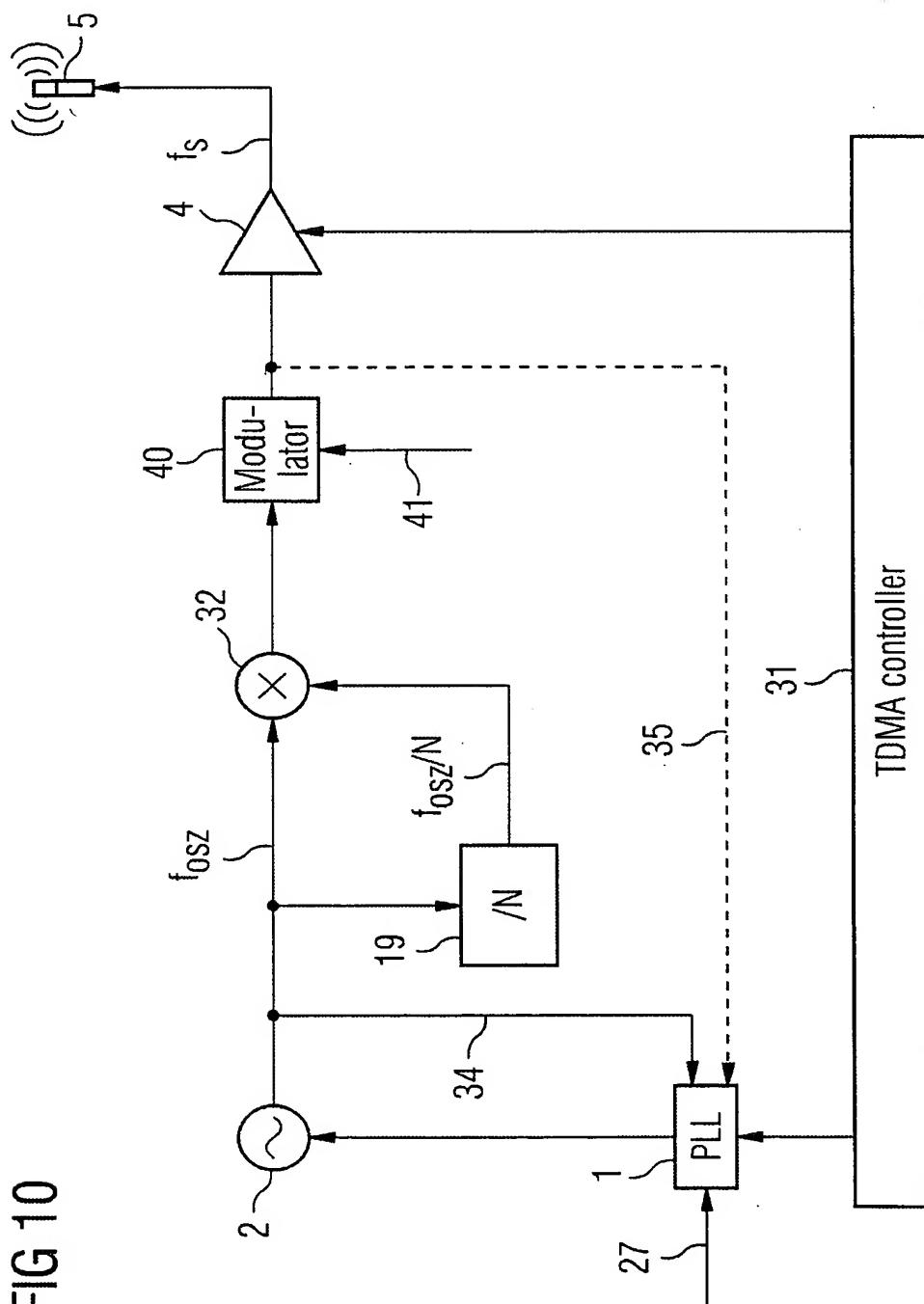


199902120

6/10

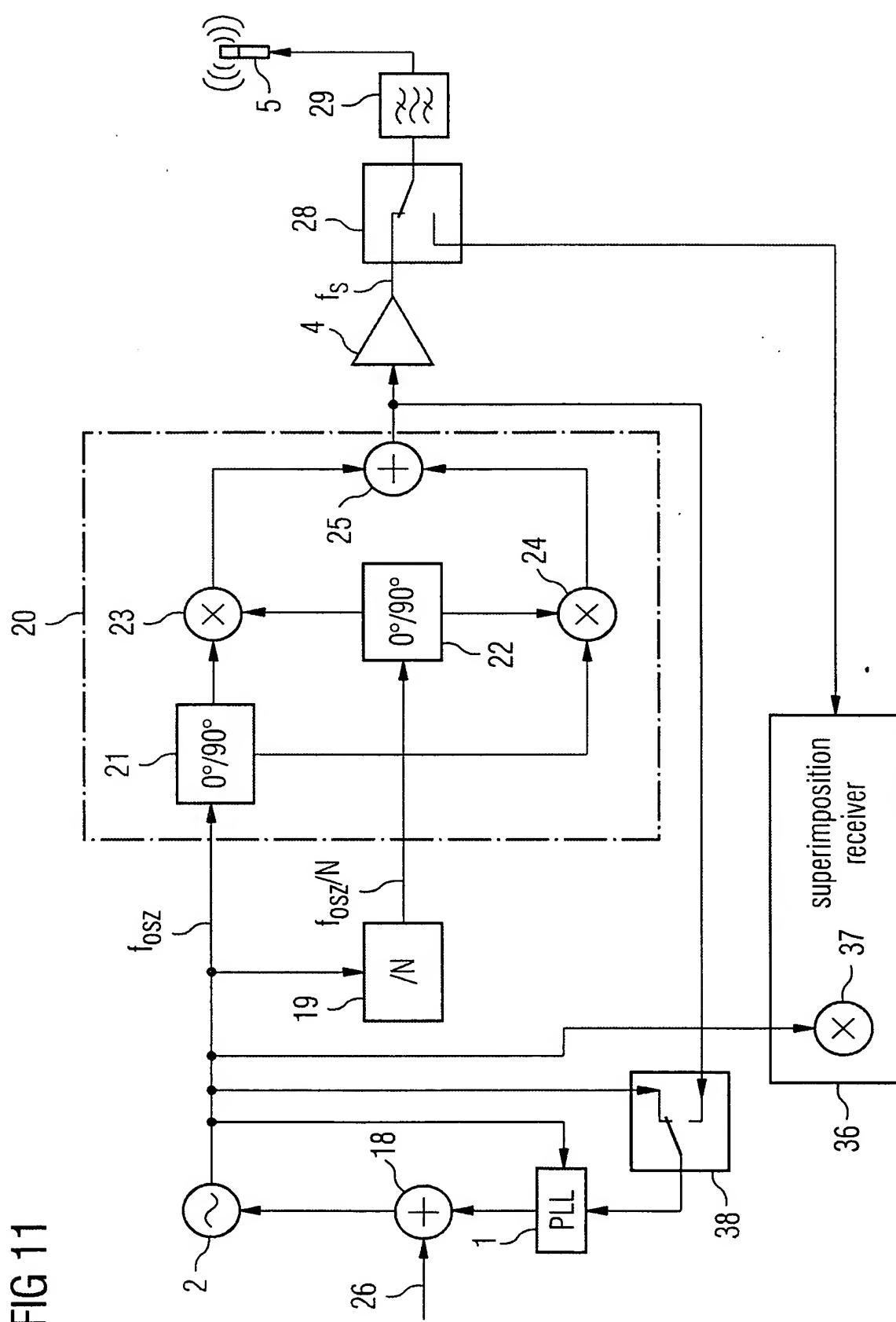
TITLE: TDMA TRANSMIT FREQUENCY
GENERATOR SUPPRESSING
FREQUENCY JUMPS CAUSED BY
FEEDBACK (as amended)
INVENTORS: Volker DETERING et al.
SERIAL NO.: 10/018,796
DOCKET NO.: 1454.1202





199902120

8/10



199902120



TITLE: TDMA TRANSMIT FREQUENCY GENERATOR SUPPRESSING FREQUENCY JUMPS CAUSED BY FEEDBACK (as amended)
INVENTORS: Volker DETERING et al.
SERIAL NO.: 10/018,796
DOCKET NO.: 1454.1202

Block diagram of a receiver system:

- PLL Path:** A reference oscillator (2) provides a signal to a phase-locked loop (PLL) (1). The PLL's output (18) is fed into a mixer (26) and a counter (19). The mixer (26) also receives a signal from a local oscillator (21) and outputs to a mixer (23). The counter (19) receives a signal from the PLL and outputs to a mixer (24).
- Local Oscillator Path:** The local oscillator (21) is controlled by the mixer (23) and the mixer (24).
- Antenna Path:** The antenna signal (5) is received by an antenna (29) and fed into a mixer (4).
- Intermediate Frequency Path:** The mixer (4) outputs to a low-pass filter (28). The filter (28) also receives a signal from the mixer (23). The output of the filter (28) is the final receiver output (30).
- Control Path:** The mixer (23) receives a signal from the mixer (24) and the counter (19). The mixer (24) receives a signal from the counter (19).
- Sync Path:** The oscillator (2) provides a signal to a mixer (25). The mixer (25) also receives a signal from the mixer (24) and the counter (19). The output of the mixer (25) is labeled f_s .

199902120

10/10

TITLE: TDMA TRANSMIT FREQUENCY
GENERATOR SUPPRESSING
FREQUENCY JUMPS CAUSED BY
FEEDBACK (as amended)
INVENTORS: Volker DETERING et al.
SERIAL NO.: 10/018,796
DOCKET NO.: 1454.1202



FIG 13

